

in which R is selected from substituted and unsubstituted monovalent hydrocarbon groups and a has a value from 1.95 to 2.05,

- (B) 15 to 300 weight parts aluminum hydroxide powder,
(C) 0.1 to 1 weight part of a silane treating agent, and
(D) 0.1 to 5 weight parts of a peroxide based curing agent.

18. A silicone rubber composition comprising
(A) 100 weight parts organopolysiloxane gum having at least 2 silicon-bonded alkenyl groups in each molecule,
(E) 15 to 300 weight parts aluminum hydroxide powder whose surface has been treated with a silane treating agent
(D) 0.1 to 5 weight parts organoperoxide.
19. A composition according to claim 17, where the organopolysiloxane gum is a dimethylvinylsiloxy-endblocked dimethylsiloxane-methylvinylsiloxane copolymer, a dimethylvinylsiloxy-endblocked dimethylpolysiloxane, silanol-endblocked dimethylsiloxane-methylvinylsiloxane copolymer, or a methylvinylhydroxysiloxy-endblocked dimethylsiloxane-methylvinylsiloxane copolymer.
20. A composition according to claim 17, where the aluminum hydroxide powder has a particle size large enough to provide arc resistance necessary for prolonged use and small enough so as to not adversely affect the processability of the composition.
21. A composition according to claim 17, where the aluminum hydroxide powder has a particle size of less than about 10 micrometers.

22. A composition according to claim 17 comprising 50 to 200 weight parts of aluminum hydroxide powder per 100 weight parts of the organopolysiloxane gum.
23. A composition according to claim 17, where the treating agent is a silane having alkenyl and alkoxy substitution.
24. A composition according to claim 23, where the treating agent is vinyltrimethoxysilane.
25. A composition according to claim 18, where the organopolysiloxane gum is dimethylvinylsiloxy-endblocked dimethylsiloxane-methylvinylsiloxane copolymer, dimethylvinylsiloxy-endblocked dimethylpolysiloxane, silanol-endblocked dimethylsiloxane-methylvinylsiloxane copolymer, and methylvinylhydroxysiloxy-endblocked dimethylsiloxane-methylvinylsiloxane copolymer.
26. A composition according to claim 18, where the aluminum hydroxide powder has a particle size large enough to provide arc resistance necessary for prolonged use and small enough so as to not adversely affect the processability of the composition.
27. A composition according to claim 18, where the aluminum hydroxide powder has a particle size less than about 10 micrometers.
28. A composition according to claim 18 comprising 50 to 200 weight parts of aluminum hydroxide powder per 100 weight parts of the organopolysiloxane gum.

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